

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
11B: Colo-----	---	---	---	---
Ely-----	---	---	---	---
41: Sparta-----	eastern white pine-- jack pine----- northern red oak---- red pine-----	--- --- 70 ---	0 0 57 0	eastern white pine, jack pine, red pine
41B: Sparta-----	eastern white pine-- jack pine----- northern red oak---- red pine-----	--- --- 70 ---	0 0 57 0	eastern white pine, jack pine, red pine
41C: Sparta-----	eastern white pine-- jack pine----- northern red oak---- red pine-----	--- --- 70 ---	0 0 57 0	eastern white pine, jack pine, red pine
41D: Sparta-----	eastern white pine-- jack pine----- northern red oak---- red pine-----	--- --- 70 ---	0 0 57 0	eastern white pine, jack pine, red pine
51: Vesser-----	---	---	---	---
54: Zook-----	---	---	---	---
63B: Chelsea-----	white oak-----	55	43	European larch, Scotch pine, eastern redcedar, eastern white pine, jack pine, red pine
63C: Chelsea-----	white oak-----	55	43	European larch, Scotch pine, eastern redcedar, eastern white pine, jack pine, red pine

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
63D: Chelsea-----	white oak-----	55	43	European larch, Scotch pine, eastern redcedar, eastern white pine, jack pine, red pine
63F: Chelsea-----	white oak-----	55	43	European larch, Scotch pine, eastern redcedar, eastern white pine, jack pine, red pine
65E2: Lindley-----	black oak-----	63	43	black oak, green
	blackjack oak-----	---	0	ash, northern red
	northern red oak----	61	43	oak, white oak
	post oak-----	53	43	
	white oak-----	56	43	
65F: Lindley-----	black oak-----	63	43	black oak, green
	blackjack oak-----	---	0	ash, northern red
	northern red oak----	61	43	oak, white oak
	post oak-----	53	43	
	white oak-----	56	43	
65F3: Lindley-----	black oak-----	63	43	black oak, green
	blackjack oak-----	---	0	ash, northern red
	northern red oak----	61	43	oak, white oak
	post oak-----	53	43	
	white oak-----	56	43	
83B: Kenyon-----	---	---	---	---
83C: Kenyon-----	---	---	---	---
83C2: Kenyon-----	---	---	---	---
83D: Kenyon-----	---	---	---	---
83D2: Kenyon-----	---	---	---	---
84: Clyde-----	---	---	---	---

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
109C: Backbone-----	northern red oak----	55	43	black walnut, eastern white pine, red pine, sugar maple
	white oak-----	55	43	
110B: Lamont-----	northern red oak----	55	43	eastern white pine
	white oak-----	55	43	
110C: Lamont-----	northern red oak----	55	43	eastern white pine
	white oak-----	55	43	
118: Garwin-----	---	---	---	---
119: Muscatine-----	---	---	---	---
119B: Muscatine-----	---	---	---	---
120: Tama-----	---	---	---	---
120B: Tama-----	---	---	---	---
120C: Tama-----	---	---	---	---
120C2: Tama-----	---	---	---	---
122: Sperry-----	---	---	---	---
127: Wiota-----	---	---	---	---
133: Colo-----	---	---	---	---
159: Finchford-----	---	---	---	---
162B: Downs-----	black walnut-----	---	0	eastern white pine, green ash, northern red oak, tuliptree
	northern red oak----	80	57	
	tuliptree-----	90	86	
	white oak-----	80	57	

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
162C: Downs-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
162C2: Downs-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
162D: Downs-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
162D2: Downs-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163B: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163C: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163C2: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163D: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163D2: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
163E: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163E2: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163F: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163F2: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
163G: Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
171B: Bassett-----	northern red oak---- white oak-----	55 55	43 43	black walnut, eastern white pine, red pine, sugar maple
171C: Bassett-----	northern red oak---- white oak-----	55 55	43 43	black walnut, eastern white pine, red pine, sugar maple
171C2: Bassett-----	northern red oak---- white oak-----	55 55	43 43	black walnut, eastern white pine, red pine, sugar maple
171D: Bassett-----	northern red oak---- white oak-----	55 55	43 43	black walnut, eastern white pine, red pine, sugar maple

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
171D2: Bassett-----	northern red oak----	55	43	black walnut, eastern white pine, red pine, sugar maple
	white oak-----	55	43	
175: Dickinson-----	---	---	---	---
175B: Dickinson-----	---	---	---	---
175C: Dickinson-----	---	---	---	---
177: Saude-----	---	---	---	---
177B: Saude-----	---	---	---	---
177C: Saude-----	---	---	---	---
178: Waukee-----	---	---	---	---
178B: Waukee-----	---	---	---	---
184B: Klinger-----	---	---	---	---
198B: Floyd-----	---	---	---	---
207C: Whalan-----	American basswood----	65	57	eastern white pine, northern red oak, silver maple, white oak
	bitternut hickory----	69	0	
	black cherry-----	57	29	
	black walnut-----	55	0	
	eastern white pine--	58	114	
	northern red oak----	79	86	
	paper birch-----	55	57	
	quaking aspen-----	75	86	
	white oak-----	78	72	
214C: Rockton-----	---	---	---	---
220: Nodaway-----	white oak-----	65	43	European larch, black walnut, eastern white pine, red pine, sugar maple

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
221B: Palms-----	black willow----- quaking aspen----- red maple----- silver maple----- white ash-----	--- 56 51 76 51	0 57 29 29 29	---
226: Lawler-----	---	---	---	---
284: Flagler-----	---	---	---	---
284B: Flagler-----	---	---	---	---
285C: Burkhardt-----	black oak----- jack pine----- northern pin oak----	--- --- 52	0 0 29	Norway spruce, eastern white pine, jack pine, red pine
291: Atterberry-----	bur oak----- green ash----- northern red oak---- white oak-----	--- --- 70 70	0 0 57 57	Scotch pine, eastern redcedar, eastern white pine, red pine
293C: Chelsea-----	white oak-----	55	43	European larch, Scotch pine, eastern redcedar, eastern white pine, jack pine, red pine
Lamont-----	northern red oak---- white oak-----	55 55	43 43	eastern white pine
Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
293D: Chelsea-----	white oak-----	55	43	European larch, Scotch pine, eastern redcedar, eastern white pine, jack pine, red pine
Lamont-----	northern red oak---- white oak-----	55 55	43 43	eastern white pine

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
293F: Chelsea-----	white oak-----	55	43	European larch, Scotch pine, eastern redcedar, eastern white pine, jack pine, red pine
Lamont-----	northern red oak---- white oak-----	55 55	43 43	eastern white pine
Fayette-----	black walnut----- northern red oak---- tuliptree----- white oak-----	--- 80 90 80	0 57 86 57	eastern white pine, green ash, northern red oak, tuliptree
302B: Coggon-----	northern red oak---- white oak-----	65 65	57 57	European larch, Norway spruce, Scotch pine, black walnut, eastern white pine, red pine, sugar maple, white spruce
302C: Coggon-----	northern red oak---- white oak-----	65 65	57 57	European larch, Norway spruce, Scotch pine, black walnut, eastern white pine, red pine, sugar maple, white spruce
302C2: Coggon-----	northern red oak---- white oak-----	65 65	57 57	European larch, Norway spruce, Scotch pine, black walnut, eastern white pine, red pine, sugar maple, white spruce
315: Fluvaquents-----	---	---	---	---
350: Waukegan-----	---	---	---	---
350B: Waukegan-----	---	---	---	---

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
352B: Whittier-----	northern red oak----	80	57	black walnut, eastern white pine, red pine, sugar maple
	white oak-----	75	57	
377B: Dinsdale-----	---	---	---	---
377C: Dinsdale-----	---	---	---	---
377C2: Dinsdale-----	---	---	---	---
382: Maxfield-----	---	---	---	---
391B: Clyde-----	---	---	---	---
Floyd-----	---	---	---	---
398: Tripoli-----	---	---	---	---
399: Readlyn-----	---	---	---	---
407B: Schley-----	northern red oak----	55	43	black walnut, eastern white pine, red pine, sugar maple
	white oak-----	55	43	
408B: Olin-----	---	---	---	---
408C: Olin-----	---	---	---	---
412C: Sogn-----	---	---	---	---
412D: Sogn-----	---	---	---	---
412F: Sogn-----	---	---	---	---
420: Tama-----	---	---	---	---
420B: Tama-----	---	---	---	---

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
426B: Aredale-----	---	---	---	---
426C: Aredale-----	---	---	---	---
428B: Ely-----	---	---	---	---
485: Spillville-----	---	---	---	---
536: Hanlon-----	northern red oak----	70	57	European larch, black walnut, eastern white pine, red pine, sugar maple
	white oak-----	70	57	
727: Udolpho-----	eastern cottonwood--	90	100	eastern white pine, green ash, northern red oak, silver maple, white spruce
	green ash-----	50	29	
729B: Nodaway-----	white oak-----	65	43	European larch, black walnut, eastern white pine, red pine, sugar maple
Radford-----	---	---	---	---
771B: Waubee-----	northern red oak----	65	57	black walnut, eastern white pine, red pine, sugar maple
	white oak-----	65	57	
771C: Waubee-----	northern red oak----	65	57	black walnut, eastern white pine, red pine, sugar maple
	white oak-----	65	57	
771C2: Waubee-----	northern red oak----	65	57	black walnut, eastern white pine, red pine, sugar maple
	white oak-----	65	57	

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
778: Sattre-----	northern red oak----	65	43	black walnut,
	white oak-----	65	43	eastern white pine, red pine, sugar maple
778B: Sattre-----	northern red oak----	65	43	black walnut,
	white oak-----	65	43	eastern white pine, red pine, sugar maple
782B: Donnan-----	northern red oak----	55	43	black walnut,
	white oak-----	55	43	eastern white pine, red pine, silver maple
782C2: Donnan-----	northern red oak----	55	43	black walnut,
	white oak-----	55	43	eastern white pine, red pine, silver maple
1043: Bremer-----	---	---	---	---
1088: Nevin-----	---	---	---	---
1119: Muscatine-----	---	---	---	---
1133: Colo-----	---	---	---	---
1160: Walford-----	eastern cottonwood--	90	100	American sycamore,
	silver maple-----	80	29	eastern arborvitae, eastern cottonwood, golden willow, green ash, silver maple
1291: Atterberry-----	bur oak-----	---	0	Scotch pine,
	green ash-----	---	0	eastern redcedar,
	northern red oak----	70	57	eastern white
	white oak-----	70	57	pine, red pine
1485: Spillville-----	---	---	---	---

USDA-NRCS, IOWA
Forest Productivity

04/10/2002
FIELD OFFICE TECHNICAL GUIDE Sec. II
FORESTLAND INTERPRETATIONS

Benton County, Iowa

Map symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site index	Volume of wood fiber cu ft/ac	
1688: Koszta-----	northern red oak----	70	57	eastern white pine,
	white oak-----	65	43	northern red oak, red pine, sugar maple, white oak
5030: Pits, Limestone Quarry--	---	---	---	---
5040: Orthents-----	---	---	---	---